

Windbreak Interpretations

Farmstead windbreaks protect livestock, buildings, and yards from wind and snow. They also protect fruit trees and gardens, and they furnish habitat for wildlife. Several rows of low-growing and high-growing broadleaf and coniferous trees and shrubs provide the most protection.

Field windbreaks are narrow plantings made at right angles to the prevailing wind and at specific intervals across the field. The interval depends on the erodibility of the soil. Field windbreaks protect cropland and crops from wind, help to keep snow on the fields, increase crop yields, and provide food and cover for wildlife.

Each tree or shrub species has certain climatic and physiographic limits. Within these parameters a tree or shrub may be well or poorly suited because of soil characteristics. Each tree or shrub also has definable potentials of height growth based on the soil type and climate.

Information in this subsection, which includes windbreak suitability groups and a windbreak and environmental plantings table, can be used as a guide in planning windbreaks and screens.

This subsection includes:

- **(a) Trees and Shrubs for Windbreak and Environmental Plantings**

Moniteau County, Missouri
Windbreaks and Environmental Plantings

(Absence of an entry indicates that trees generally do not grow to the given height.)

Map symbol and soil name	Trees having predicted 20-year average height, in feet, of--				
	<8	8-15	16-25	26-35	>35
BeB2: Peridge-----	---	---	---	---	---
BoB: Goss-----	fragrant sumac	American plum; gray dogwood; southern arrowwood	eastern redbud; eastern redcedar; Washington hawthorn	green ash; northern red oak; tuliptree; white fir	eastern white pine
BoE: Goss-----	fragrant sumac	American plum; gray dogwood; southern arrowwood	eastern redbud; eastern redcedar; Washington hawthorn	green ash; northern red oak; tuliptree; white fir	eastern white pine
BoF: Goss-----	fragrant sumac	American plum; gray dogwood; southern arrowwood	eastern redbud; eastern redcedar; Washington hawthorn	green ash; northern red oak; tuliptree; white fir	eastern white pine
CaA: Willowfork-----	common ninebark; fragrant sumac	Amur maple; gray dogwood; possumhaw	eastern redcedar; Virginia pine	common hackberry; honeylocust; pin oak; shortleaf pine	---
CgB: Crelton-----	American plum; common lilac; fragrant sumac	Amur maple; gray dogwood; Washington hawthorn	Austrian pine; common hackberry; eastern redcedar; honeylocust; unknown; Virginia pine	---	---
CgB2: Crelton-----	American plum; common lilac; fragrant sumac	Amur maple; gray dogwood; Washington hawthorn	Austrian pine; common hackberry; eastern redcedar; honeylocust; unknown; Virginia pine	---	---

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CrB: Crelton-----	American plum; common lilac; fragrant sumac	Amur maple; gray dogwood; Washington hawthorn	Austrian pine; common hackberry; eastern redcedar; honeylocust; unknown; Virginia pine	---	---
CrB2: Crelton-----	American plum; common lilac; fragrant sumac	Amur maple; gray dogwood; Washington hawthorn	Austrian pine; common hackberry; eastern redcedar; honeylocust; unknown; Virginia pine	---	---
Dg: Dunning-----	---	---	---	---	---
Du: Dunning-----	---	---	---	---	---
EdB: Crestmeade-----	fragrant sumac; ninebark	Amur maple; gray dogwood; possumhaw	eastern redcedar	Austrian pine; common hackberry; honeylocust; Norway spruce; pin oak	---
EdB2: Crestmeade-----	fragrant sumac; ninebark	Amur maple; gray dogwood; possumhaw	eastern redcedar	Austrian pine; common hackberry; honeylocust; Norway spruce; pin oak	---
EnB: Eldon-----	---	---	---	---	---

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FrA: Triplett-----	fragrant sumac; ninebark	Amur maple; gray dogwood; possumhaw	eastern redcedar	Austrian pine; common hackberry; honeylocust; Norway spruce; pin oak	---
FrB: Hartville-----	---	---	---	---	---
GaB: Gasconade-----	---	---	---	---	other trees
GaE: Gasconade-----	---	---	---	---	other trees
GaF: Gasconade-----	---	---	---	---	other trees
GsB: Glensted-----	buttonbush	possumhaw	eastern arborvitae; eastern redcedar; nannyberry	baldcypress; common hackberry; pin oak	eastern cottonwood
GsB2: Glensted-----	buttonbush	possumhaw	eastern arborvitae; eastern redcedar; nannyberry	baldcypress; common hackberry; pin oak	eastern cottonwood
Hu: Sturkie-----	American plum; fragrant sumac	blackhaw; gray dogwood	eastern redcedar; nannyberry; Washington hawthorn	baldcypress; green ash; sweetgum	eastern white pine; pin oak
Ls: Lindside-----	---	---	---	---	---
McB: McGirk-----	---	---	---	---	---

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McB2: McGirk-----	---	---	---	---	---
Me: Melvin-----	---	---	---	---	---
On: Leta-----	---	---	---	---	---
RaA: Moniteau-----	common buttonbush	possumhaw	eastern arborvitae; eastern redcedar; nannyberry	baldcypress; common hackberry; pin oak	eastern cottonwood
Rw: Haynie-----	American plum	American holly; common chokecherry	autumn olive; eastern redcedar; nannyberry; Washington hawthorn	bur oak; white fir; white spruce	eastern cottonwood; green ash
Sa: Carr-----	American plum; blackhaw	possumhaw	eastern arborvitae; eastern redcedar; nannyberry; Washington hawthorn; white spruce	bur oak; common hackberry; green ash	---
Sb: Sarpy-----	American plum; common lilac; fragrant sumac; gray dogwood	autumn olive; Washington hawthorn	blackjack oak; diospyros; eastern redcedar; jack pine	eastern cottonwood	---
Sc: Sarpy-----	American plum; common lilac; fragrant sumac; gray dogwood	autumn olive; Washington hawthorn	blackjack oak; diospyros; eastern redcedar; jack pine	eastern cottonwood	---

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SeA: Crestmeade-----	fragrant sumac; ninebark	Amur maple; gray dogwood; possumhaw	eastern redcedar	Austrian pine; common hackberry; honeylocust; Norway spruce; pin oak	---
SeB: Crestmeade-----	fragrant sumac; ninebark	Amur maple; gray dogwood; possumhaw	eastern redcedar	Austrian pine; common hackberry; honeylocust; Norway spruce; pin oak	---
SeB2: Crestmeade-----	fragrant sumac; ninebark	Amur maple; gray dogwood; possumhaw	eastern redcedar	Austrian pine; common hackberry; honeylocust; Norway spruce; pin oak	---
UnB2: Union-----	American plum; common lilac; fragrant sumac	Amur maple; gray dogwood; Washington hawthorn	Austrian pine; common hackberry; eastern redcedar; honeylocust; unknown; Virginia pine	---	---
UnB3: Union-----	American plum; common lilac; fragrant sumac	Amur maple; gray dogwood; Washington hawthorn	Austrian pine; common hackberry; eastern redcedar; honeylocust; unknown; Virginia pine	---	---

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UnC2: Union-----	American plum; common lilac; fragrant sumac	Amur maple; gray dogwood; Washington hawthorn	Austrian pine; common hackberry; eastern redcedar; honeylocust; unknown; Virginia pine	---	---
UnC3: Union-----	American plum; common lilac; fragrant sumac	Amur maple; gray dogwood; Washington hawthorn	Austrian pine; common hackberry; eastern redcedar; honeylocust; unknown; Virginia pine	---	---
UnD2: Wrengart-----	common lilac; fragrant sumac	Amur maple; gray dogwood	common hackberry; eastern redcedar	eastern white pine; green ash; honeylocust; Norway spruce; pin oak	---
UtB2: Union-----	American plum; common lilac; fragrant sumac	Amur maple; gray dogwood; Washington hawthorn	Austrian pine; common hackberry; eastern redcedar; honeylocust; unknown; Virginia pine	---	---
UtC2: Union-----	American plum; common lilac; fragrant sumac	Amur maple; gray dogwood; Washington hawthorn	Austrian pine; common hackberry; eastern redcedar; honeylocust; unknown; Virginia pine	---	---

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W: Water-----	---	---	---	---	---
WdB2: Weller-----	---	---	---	---	---
We: Lowassie-----	buttonbush; ninebark	possumhaw; sandbar willow	black willow; bur oak; green hawthorn	baldcypress; green ash; pecan; red maple; swamp white oak; sweetgum	eastern cottonwood; silver maple
WfB2: Winfield-----	fragrant sumac	American plum; gray dogwood; southern arrowwood	eastern redbud; eastern redcedar; Washington hawthorn	green ash; northern red oak; tuliptree; white fir	eastern white pine
WfC2: Winfield-----	fragrant sumac	American plum; gray dogwood; southern arrowwood	eastern redbud; eastern redcedar; Washington hawthorn	green ash; northern red oak; tuliptree; white fir	eastern white pine
WfD2: Winfield-----	fragrant sumac	American plum; gray dogwood; southern arrowwood	eastern redbud; eastern redcedar; Washington hawthorn	green ash; northern red oak; tuliptree; white fir	eastern white pine
WfF2: Winfield-----	fragrant sumac	American plum; gray dogwood; southern arrowwood	eastern redbud; eastern redcedar; Washington hawthorn	green ash; northern red oak; tuliptree; white fir	eastern white pine
WtB: Winfield-----	fragrant sumac	American plum; gray dogwood; southern arrowwood	eastern redbud; eastern redcedar; Washington hawthorn	green ash; northern red oak; tuliptree; white fir	eastern white pine

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WtB2: Winfield-----	fragrant sumac	American plum; gray dogwood; southern arrowwood	eastern redbud; eastern redcedar; Washington hawthorn	green ash; northern red oak; tuliptree; white fir	eastern white pine
WtC2: Winfield-----	fragrant sumac	American plum; gray dogwood; southern arrowwood	eastern redbud; eastern redcedar; Washington hawthorn	green ash; northern red oak; tuliptree; white fir	eastern white pine